

6. (Amended) The valve prosthesis according to claim 5, wherein each of the rings of the stent is made from a wire having a diameter of 0.05 mm and a loop height of approximately 8 mm and approximately 14 mm for the three greater height loops, and that the cylindrical ^{wire} thread structure produced and the collapsible valve mounted thereon in a folded state have an outer diameter of approximately 10 mm and in ^{an} expanded state an outer diameter of approximately 30 mm.

7. (Amended) The valve prosthesis according to claim 5, wherein three or more mutually attached rings placed on top of each other are used in that the stent is made to be fixed through the expansion at one point in the channel where the valve prosthesis is inserted, which point is different from the point where the valve is mounted in the stent.

8. (Amended) The valve prosthesis according to claim 1, wherein the cylinder surface of the support means is closed to form a tubular element.

IN THE ABSTRACT:

Please amend the Abstract as follows:

A valve prosthesis for implantation in the body by use of a catheter includes a stent made from an expandable cylinder-shaped thread structure including several spaced apices. The elastically collapsible valve is mounted on the stent as the commissural points of the valve are secured to the projecting apices. The valve prosthesis can be compressed around the balloon means of the balloon catheter and be inserted in a channel, for instance in the aorta. When the valve prosthesis is placed correctly the balloon means is inflated thereby expanding the stent and wedging it against the wall of the aorta. The balloon means is provided with beads to ensure a steady fastening of the valve prosthesis on the balloon means during insertion and expansion. The valve prosthesis and the balloon catheter make it possible to insert a cardiac valve prosthesis without a surgical operation comprising opening the thoracic cavity.